

Capital Project Appropriation Request

4/14/2021

FY 20/21

Project: 001234 **360 Degree Video Detection System**
Agency: 0221 **Operations: Traffic Engineering**

Total Request: \$2,482,680.00

Part A - Description of Request

The 360 Degree Video Detection System Funding will provide for video detection at 70 of the City's 211 signalized intersections. Video detection replaces the induction loop detection systems in pavement which have a negative impact on the pavement and are also frequently broken from pavement wear and tear, weather conditions, and utility cuts. 360 degree video detection systems have proven to be reliable with easier installation, programming, operation and maintenance. Additionally, the accuracy of traffic data collection feature of this detection system is very beneficial for our ongoing traffic engineering and traffic control operations.

Part B - Appropriation Request Detail

Fund Source	FY 20/21	Capital Forecast						Total
	Amount	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	
State Grant	2,482,680.00	0	0	0	0	0	0	2,482,680.00
Total	\$2,482,680.00	\$0	\$0	\$0	\$0	\$0	\$0	\$2,482,680.00

Part C - Project History

Part D - Approvals

Preparer	Date 04/14/2021	OPM Director/OPM Asst Director	Date 04/14/2021
 <small>Key: 70e551f5f5438231a9ed18e7475ee516</small>		 Jay Fountain <small>Key: f21ebde4d5a5f2ca3a48830c95c0e202</small>	
Department Head	Date 04/14/2021	Director of Administration	Date 04/14/2021
 Frank W. Petise <small>Key: 70185b467448a07136ba8ce1c96d1d2a</small>		 Sandra L. Dennies <small>Key: 43f0829e3282318e8f963447b0214765</small>	
Director	Date 04/14/2021	Mayor	Date 04/14/2021
 Mark McGrath <small>Key: 943e077b947c98d27ac338043ba1094025</small>		 David R. Martin <small>Key: 8e0e488b53507c12428830c95c0e202</small>	



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

March 15, 2021

The Honorable David R. Martin
Mayor
City of Stamford
Stamford Government Center
888 Washington Boulevard
10th Floor
Stamford, Connecticut 06901

Dear Mayor Martin:

Subject: Local Transportation Capital Improvement Program (LOTICIP)
Commitment to Fund
360-Degree Video Detection System Installations
State Project No. L135-0004
Various Intersections (69 Locations)
City of Stamford

The Department of Transportation (Department) has received the LOTICIP application prepared by the City of Stamford (Municipality) and submitted through the Western Connecticut Council of Governments (COG) relative to the subject project. The Department has reviewed the application materials along with the revised cost estimate provided by the Municipality and subsequently endorsed by the COG.

The LOTICIP application for this project has been approved. The Department hereby commits to fund eligible project costs as follows:

Rights of Way	\$	0
Eligible Utilities	\$	0
Contract Items:	\$	2,068,900
Contingencies:	\$	206,890
<u>Incidentals to Construction:</u>	<u>\$</u>	<u>206,890</u>
Total Funding Commitment:	\$	2,482,680

This Commitment to Fund is subject to funding availability and general conditions including, but not limited to, the following:

1. The project is to be administered by the Municipality in accordance with the *Local Transportation Capital Improvement Program Guidelines*, dated March 2019, as may be revised. The guidelines are available on the Department’s LOTICIP web page at www.ct.gov/dot/lotcip.
2. The project costs identified in this Commitment to Fund letter are based on estimates provided by the Municipality and endorsed by the COG. These costs are to be considered capped until adjustment, based on low bid or otherwise revised, in accordance with the LOTICIP guidelines.
3. Any scope revisions and/or twenty percent (20%) changes in cost identified during the design phase must be approved by the COG and the Department, as specified in the LOTICIP guidelines.

4. Upon completion of project design activities, the Municipality must forward to the Department, through the COG, a Final Design Submission along with supporting documentation and certifications, as defined in the LOTCIP guidelines.
5. The Municipality must execute and deliver a Project Authorization Letter (PAL) issued pursuant to the Master Municipal Agreement for Construction Projects and comply with its terms. The PAL will be forwarded to the Municipality for execution, subsequent to the receipt of the Final Design Submission package by the Department.

This commitment is further subject to the following project-specific conditions:

1. This project may require environmental permits. In accordance with the LOTCIP guidelines, the Municipality will be responsible for the acquisition of all environmental permits that may be required. Please be advised that any project that involves work within waters or wetlands may require State and/or Federal environmental permits. **It is critical that the Municipality or their consultant contact the Connecticut Department of Energy and Environmental Protection (DEEP) - Inland Water Resources Division early in the design process** to discuss permitting requirements, and to identify specific environmental concerns and design considerations. Failure to establish early coordination with DEEP may result in significant time delays in the permitting process due to the need for design changes and/or denial of permit applications. Please note the Department hosts a monthly Interagency Coordination (Municipal) meeting where municipalities (and their consultants) can discuss municipal projects with the various regulatory agencies relative to permitting requirements, identification of specific environmental concerns and design considerations.
2. The LOTCIP application materials indicate that right of way acquisitions are not anticipated to be required for the project. **Should it be determined during the design phase that right of way acquisitions will be required, the Municipality must notify the Department through the COG as specified in the LOTCIP guidelines.**
3. This project may require utility relocations. Coordination with utility companies who have facilities in the project area, as well as with any utilities that currently do not have facilities present but may have plans to expand service to the area, should begin early in the design process. Costs for relocation of privately-owned utility facilities on municipally owned roadways, including adjustment of utility gates, are the responsibility of the affected utility and are ineligible for LOTCIP participation.
4. This project will require work be performed within the State-owned right of way along various state routes. As such, an encroachment permit will be required. **It is imperative that the design of the improvements proposed under this project be coordinated with the Department during the design phase to ensure conformance with applicable requirements relative to proposed work within State-owned right of way or otherwise affecting State-owned facilities. Establishing early coordination relative to the encroachment permit process is recommended.** All matters relative to the encroachment permit process for this project are to be coordinated through the following Department contact:

Mr. Paul Mozzicato
Special Service Section Manager (District 3)
(203) 389-3010
Paul.Mozzicato@ct.gov

5. This project consists of the installation of 360-degree video detection systems at the locations shown on the enclosed list, as prepared/revised by the Municipality and subsequently reviewed/approved by the Department. Any revisions to the proposed locations of the installations must be submitted to the Department through the COG for review and approval.

- 6. This project proposes modifications to the traffic signal detection systems at various locations. Modifications to traffic control signals, devices, signs, and markings for public highways/roadways may require review by the Local Traffic Authority and/or by the Office of the State Traffic Administration (OSTA). Coordination with OSTA should begin early in the design process.

For further information regarding the approval process, please contact OSTA:

Office of the State Traffic Administration
 Connecticut Department of Transportation
 2800 Berlin Turnpike
 Newington, CT 06131
 Phone: (860) 594-3020
 Fax: (860) 594-2552
DOT.OSTA@ct.gov
<http://www.ct.gov/dot/osta>

Please be informed that, in accordance with the LOTCIP guidelines, the Department will initiate a Permit Need Determination and Environmental Screening Review for this project to assist the Municipality in identifying items relative to natural resources, historic/archaeological resources, etc. that may need to be investigated or addressed during the design phase. The Environmental Screening Review and Permit Need Determination are expected to be completed within approximately ninety (90) days. The results will be forwarded to the Municipality and the COG, when received.

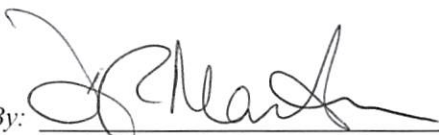
If the Municipality accepts this Commitment to Fund, please sign below and return a copy of this letter to this office within thirty (30) days. Transmission via e-mail is acceptable.

If you have any questions, please contact the Project Manager, Mr. William Grant, P.E., at (860) 594-3229 or by e-mail at William.E.Grant@ct.gov.

Very truly yours,

Michael N. Calabrese
Digitally signed by
 Calabrese, Michael
 Date: 2021.03.15
 21:43:46-04'00'

Michael N. Calabrese, P.E.
 Division Chief of Highway Design
 Bureau of Engineering and Construction

Accepted By: 

 The Honorable David R. Martin
 Mayor

Date 3/16/21

Enclosure


- cc: Mr. Frank Petise, P.E., Traffic Engineer, City of Stamford
- Mr. Francis Pickering, Executive Director, Western Connecticut Council of Governments
- Mr. Kevin Mahoney, Senior Project Manager, Western Connecticut Council of Governments

Project L135-0004

Proposed 360 Degree Video Detection System Locations

(list prepared by City of Stamford. Locations approved under LOTCIP project as shown)

INT. ID	Main Street	Side Street 1		Gridsmart	Proposed
110	Cove Rd.	Seaside Ave.	Added	LOTICIP	1
115	Cove Rd.	Lockwood Ave.	Added	LOTICIP	2
117	Elm St.	Elm Court	Proposed	LOTICIP	1
118	Elm St.	Jefferson St.	Proposed	LOTICIP	1
144	Selleck	Fairfield Exit	Added	LOTICIP	2
201	Seaside Ave.	I-95 Exit 9 Ramp	Proposed	LOTICIP	1
210	East Main St.	Lockwood Ave.	Proposed	LOTICIP	1
212	East Main St.	Mrytle Ave.	Proposed	LOTICIP	1
214	East Main St.	North State St.	Proposed	LOTICIP	1
222	Broad St.	Greyrock Place	Proposed	LOTICIP	1
224	Broad St.	Gay St.	Proposed	LOTICIP	1
231	South State St.	Elm St.	Proposed	LOTICIP	1
233	Tresser Blvd.	Elm Street	Proposed	LOTICIP	2
237	Main St.	Greyrock Place	Proposed	LOTICIP	1
238	Greyrock Pl.	Mid Block	Removed		
244	North State St.	Guernsey St.	Proposed	LOTICIP	1
245	Washington Blvd.	North State St.	Removed		
246	Washington Blvd.	Richmond Hill	Proposed		0
247	Richmond Hill	Clinton	Removed		
249	Washington Blvd.	Division	Proposed	LOTICIP	1
252	West Ave.	Waverly Ave.	Proposed	LOTICIP	1
253	West Ave.	Grenhart Rd.	Proposed	LOTICIP	1
254	Harvard Ave.	Grenhart Rd.	Proposed	LOTICIP	1
255	Harvard Ave.	Waverly Ave.	Removed		
270	W. Main St.	Alvord Lane	Added	LOTICIP	2
271	Tresser Blvd.	Grey Rock Place	Proposed		0
276	W. Main St.	Greenwich Ave.	Proposed	LOTICIP	1
277	W. Main St.	StillWater Rd.	Proposed	LOTICIP	1
283	South State St.	Gurnsey St.	Proposed	LOTICIP	1
302	Main St.	Atlantic St.	Removed		
343	Stillwater Rd.	Palmers Hill	Removed		
344	Palmers Hill Rd.	Westover Rd.	Removed		
351	Washington Blvd.	UCONN Garage	Proposed	LOTICIP	1
355	Washington Blvd.	Hoyt St.	Proposed	LOTICIP	1
358	Washington Blvd.	Coldspring Rd.	Proposed	LOTICIP	1
359	Cold Spring Rd.	Randall St.	Proposed	LOTICIP	1
404	Summer St.	Spring St.	Proposed	LOTICIP	1
405	Bedford St.	North St.	Proposed	LOTICIP	1
406	Summer St.	North St.	Proposed	LOTICIP	1
410	Summer St.	Hoyt St.	Proposed	LOTICIP	1
413	Bedford St.	First st.	Proposed	LOTICIP	1
414	Summer St.	First St.	Proposed	LOTICIP	1
418	Summer St.	Second St.	Proposed	LOTICIP	1

 - Location where two cameras are required

 - Location where camera exists or is proposed under another project

Project L135-0004

Proposed 360 Degree Video Detection System Locations

(list prepared by City of Stamford. Locations approved under LOTCIP project as shown)

INT. ID	Main Street	Side Street 1		Gridsmart	Proposed
420	Summer St.	Third St.	Proposed	LOTICIP	1
421	Bedford St.	Second St.	Proposed	LOTICIP	1
422	Summer St.	Fifth St.	Proposed	LOTICIP	1
424	Summer St.	Sixth St.	Proposed	LOTICIP	1
425	Bedford St.	Third St.	Proposed	LOTICIP	1
426	Summer St.	Bridge St.	Proposed	LOTICIP	1
429	Bedford St.	Fifth St.	Proposed	LOTICIP	1
430	Summer St.	Seventh St.	Proposed	LOTICIP	1
433	Bedford St.	Sixth St.	Proposed	LOTICIP	1
437	Bedford St.	Bracewood Ln.	Proposed	LOTICIP	1
501	Forest St.	Grove St.	Proposed	LOTICIP	1
506	Strawberry Hill Ave.	Rock Spring Rd.	Removed		
508	Strawberry Hill Ave.	Fifth St	Proposed	LOTICIP	1
520	Newfield Ave.	Weed Hill Ave.	Removed		
606	Hope St.	Rock Spring Rd.	Added	LOTICIP	1
608	Hope St.	Colonial Rd.	Added	LOTICIP	1
613	Hope St.	Toms Rd.	Added	LOTICIP	1
620	Hope St.	North Hill	Added	LOTICIP	1
622	Hope St.	Camp Ave.	Added	LOTICIP	1
624	Hope St.	Weed Hill Ave.	Proposed	LOTICIP	1
700	High Ridge Rd.	Lord & Taylor Dr.	Proposed	LOTICIP	1
701	High Ridge Rd.	Oaklawn Ave.	Proposed	LOTICIP	1
705	High Ridge Rd.	Unity Rd.	Proposed	LOTICIP	1
706	High Ridge Rd.	Loveland Rd.	Proposed	LOTICIP	1
707	High Ridge Rd.	Lakeview Dr.	Proposed	LOTICIP	1
709	High Ridge Rd.	Mercedes Lane	Proposed	LOTICIP	1
711	High Ridge Rd.	Ridge Park Ave.	Proposed	LOTICIP	1
714	High Ridge Rd.	Hartswood Rd.	Proposed	LOTICIP	1
715	Vine Rd.	Barmore Dr.	Proposed	LOTICIP	2
802	Long Ridge Rd.	Lord & Taylor Driveway	Proposed	LOTICIP	1
805	Long Ridge Rd.	Terrace Avenue	Proposed	LOTICIP	1
808	Long Ridge Rd.	Woodridge Drive South	Proposed	LOTICIP	1
811	Long Ridge Rd.	StillWater Rd.	Proposed	LOTICIP	1
815	Long Ridge Rd.	Stamford Medical Center	Proposed	LOTICIP	1
816	Long Ridge Rd.	Loughran Ave.	Proposed	LOTICIP	1
818	Long Ridge Rd.	Hyperion Drive	Proposed	LOTICIP	1
820	Long Ridge Rd.	Merritt Pkwy. NB Ramps	Proposed	LOTICIP	1
					74
					Proposed



- Location where two cameras are required
- Location where camera exists or is proposed under another project